

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/403,092DATE: 04/27/2000
TIME: 06:25:29

INPUT SET: S35392.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: HOFMANN, Joachim
SCHMID, Karlheinrich
PAULI, Annette

(ii) TITLE OF INVENTION: DICTYOCAULUS VIVIPARUS ANTIGEN FOR THE
DIAGNOSIS OF LUNGWORM INFESTATION AND FOR VACCINATION

(iii) NUMBER OF SEQUENCES: 30

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: FOLEY & LARDNER
(B) STREET: 3000 K Street, N.W.
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: U.S.A.
(F) ZIP: 20007-5109

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 09/403,092
(B) FILING DATE: 15-OCT-1999
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: WO PCT/EP98/02090
(B) FILING DATE: 09-APR-1998

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: DE 197 15 586.3
(B) FILING DATE: 15-APR-1997

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Granados, Patricia D.
(B) REGISTRATION NUMBER: 33,683
(C) REFERENCE/DOCKET NUMBER: 038311/0103

(ix) TELECOMMUNICATION INFORMATION:

ENTERED

RECEIVED
MAY 17 2000
TC 1600 MAIL ROOM

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47 (A) TELEPHONE: (202) 672-5300
48 (B) TELEFAX: (202) 672-5399
49
50
51 (2) INFORMATION FOR SEQ ID NO:1:
52
53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 7 amino acids
55 (B) TYPE: amino acid
56 (C) STRANDEDNESS:
57 (D) TOPOLOGY: linear
58
59 (ii) MOLECULE TYPE: protein
60
61
62
63
64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
65
66 Ser Glu Ser Leu Tyr Glu Lys
67 1 5
68
69 (2) INFORMATION FOR SEQ ID NO:2:
70
71 (i) SEQUENCE CHARACTERISTICS:
72 (A) LENGTH: 7 amino acids
73 (B) TYPE: amino acid
74 (C) STRANDEDNESS:
75 (D) TOPOLOGY: linear
76
77 (ii) MOLECULE TYPE: protein
78
79
80
81
82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
83
84 Met Met Asp Asn Phe Val Lys
85 1 5
86
87 (2) INFORMATION FOR SEQ ID NO:3:
88
89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 14 amino acids
91 (B) TYPE: amino acid
92 (C) STRANDEDNESS:
93 (D) TOPOLOGY: linear
94
95 (ii) MOLECULE TYPE: protein
96
97
98
99

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100 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

101

102 Tyr Lys Asp Glu Asn Glu Phe Met Asp Ala Leu Lys Gln Lys

103 1 5 10

104

105 (2) INFORMATION FOR SEQ ID NO:4:

106

107 (i) SEQUENCE CHARACTERISTICS:

108 (A) LENGTH: 20 amino acids

109 (B) TYPE: amino acid

110 (C) STRANDEDNESS:

111 (D) TOPOLOGY: linear

112

113 (ii) MOLECULE TYPE: protein

114

115

116

117

118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

119

120 Tyr Asp Ile Pro Glu Gln Tyr Arg Glu Ile Ile Pro Gln Asn Val Ala

121 1 5 10 15

122

123 Glu His Leu Lys

124 20

125

126 (2) INFORMATION FOR SEQ ID NO:5:

127

128 (i) SEQUENCE CHARACTERISTICS:

129 (A) LENGTH: 26 amino acids

130 (B) TYPE: amino acid

131 (C) STRANDEDNESS:

132 (D) TOPOLOGY: linear

133

134 (ii) MOLECULE TYPE: protein

135

136

137

138

139 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

140

141 Asp Ala Ile Glu Lys Tyr Glu Asp Ile Pro Glu Gln Tyr Arg Glu Ile

142 1 5 10 15

143

144 Ile Pro Gln Asn Val Ala Glu His Leu Lys

145 20 25

146

147 (2) INFORMATION FOR SEQ ID NO:6:

148

149 (i) SEQUENCE CHARACTERISTICS:

150 (A) LENGTH: 18 amino acids

151 (B) TYPE: amino acid

152 (C) STRANDEDNESS:

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/403,092DATE: 04/27/2000
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INPUT SET: S35392.raw

153 (D) TOPOLOGY: linear
154
155 (ii) MOLECULE TYPE: protein
156
157
158
159
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
161
162 Phe His Ala Glu Leu Leu Ala Gly Ile Lys Pro Ser Leu Glu Glu Leu
163 1 5 10 15
164
165 Lys Lys
166
167
168 (2) INFORMATION FOR SEQ ID NO:7:
169
170 (i) SEQUENCE CHARACTERISTICS:
171 (A) LENGTH: 14 amino acids
172 (B) TYPE: amino acid
173 (C) STRANDEDNESS:
174 (D) TOPOLOGY: linear
175
176 (ii) MOLECULE TYPE: protein
177
178
179
180
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
182
183 Gln Phe Pro Ile Leu Thr Ser Val Phe Ser Asn Glu Glu Lys
184 1 5 10
185
186 (2) INFORMATION FOR SEQ ID NO:8:
187
188 (i) SEQUENCE CHARACTERISTICS:
189 (A) LENGTH: 21 base pairs
190 (B) TYPE: nucleic acid
191 (C) STRANDEDNESS: single
192 (D) TOPOLOGY: linear
193
194 (ii) MOLECULE TYPE: DNA (genomic)
195
196
197 (ix) FEATURE:
198 (A) NAME/KEY: exon
199 (B) LOCATION: 1..21
200
201
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
203
204 TCNGARUCNY TNTAYGARA R
205

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/403,092DATE: 04/27/2000
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INPUT SET: S35392.raw

206 (2) INFORMATION FOR SEQ ID NO:9:

207

208 (i) SEQUENCE CHARACTERISTICS:

209 (A) LENGTH: 21 base pairs

210 (B) TYPE: nucleic acid

211 (C) STRANDEDNESS: single

212 (D) TOPOLOGY: linear

213

214 (ii) MOLECULE TYPE: DNA (genomic)

215

216

217 (ix) FEATURE:

218 (A) NAME/KEY: exon

219 (B) LOCATION: 1..21

220

221

222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

223

224 ATGATGGAYA AYT TYGTNAA R

21

225

226 (2) INFORMATION FOR SEQ ID NO:10:

227

228 (i) SEQUENCE CHARACTERISTICS:

229 (A) LENGTH: 42 base pairs

230 (B) TYPE: nucleic acid

231 (C) STRANDEDNESS: single

232 (D) TOPOLOGY: linear

233

234 (ii) MOLECULE TYPE: DNA (genomic)

235

236

237 (ix) FEATURE:

238 (A) NAME/KEY: exon

239 (B) LOCATION: 1..42

240

241

242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

243

244 TAYAARGAYG ARAAYGARTT YATGGAYGCN YTNAARCARA AR

42

245

246 (2) INFORMATION FOR SEQ ID NO:11:

247

248 (i) SEQUENCE CHARACTERISTICS:

249 (A) LENGTH: 60 base pairs

250 (B) TYPE: nucleic acid

251 (C) STRANDEDNESS: single

252 (D) TOPOLOGY: linear

253

254 (ii) MOLECULE TYPE: DNA (genomic)

255

256

257 (ix) FEATURE:

258 (A) NAME/KEY: exon

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/403,092

DATE: 04/27/2000
TIME: 06:25:31

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Line

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Original Text